

Table R-1: Key Source Categories for the United States (1990-2001) Based on Tier 1 Approach

| IPCC Source Categories | Gas | Level | Trend | 2001 Emissions (Tg CO ₂ Eq.) |
|---------------------------------------------------------------------------|------------------|-------|-------|--------------------------------------------|
| Energy | | | | |
| CO ₂ Emissions from Stationary Combustion – Coal | CO ₂ | ✓ | ✓ | 1,993.8 |
| Mobile Combustion: Road & Other | CO ₂ | ✓ | ✓ | 1,538.7 |
| CO ₂ Emissions from Stationary Combustion – Gas | CO ₂ | ✓ | ✓ | 1,168.2 |
| CO ₂ Emissions from Stationary Combustion – Oil | CO ₂ | ✓ | ✓ | 671.6 |
| Mobile Combustion: Aviation | CO ₂ | ✓ | ✓ | 183.9 |
| Fugitive Emissions from Natural Gas Operations | CH ₄ | ✓ | ✓ | 117.3 |
| Fugitive Emissions from Coal Mining & Handling | CH ₄ | ✓ | ✓ | 60.7 |
| Mobile Combustion: Marine | CO ₂ | ✓ | | 58.3 |
| Mobile Combustion: Road & Other | N ₂ O | ✓ | | 52.6 |
| Fugitive Emissions from Oil Operations | CH ₄ | | ✓ | 21.2 |
| Industrial Processes | | | | |
| Emissions from Substitutes for Ozone Depleting Substances | Several | ✓ | ✓ | 63.7 |
| CO ₂ Emissions from Iron and Steel Production | CO ₂ | ✓ | ✓ | 59.1 |
| CO ₂ Emissions from Cement Production | CO ₂ | ✓ | ✓ | 41.4 |
| HFC-23 Emissions from HCFC-22 Manufacture | HFCs | ✓ | ✓ | 19.8 |
| CO ₂ Emissions from Ammonia Production and Urea Application | CO ₂ | | ✓ | 16.6 |
| SF ₆ Emissions from Electrical Equipment | SF ₆ | ✓ | ✓ | 15.3 |
| N ₂ O Emissions from Adipic Acid Production | N ₂ O | | ✓ | 4.9 |
| PFC Emissions from Aluminum Production | PFCs | | ✓ | 4.1 |
| Agriculture | | | | |
| Direct N ₂ O Emissions from Agricultural Soils | N ₂ O | ✓ | | 216.6 |
| CH ₄ Emissions from Enteric Fermentation in Domestic Livestock | CH ₄ | ✓ | ✓ | 114.8 |
| Indirect N ₂ O Emissions from Nitrogen Used in Agriculture | N ₂ O | ✓ | ✓ | 77.7 |
| CH ₄ Emissions from Manure Management | CH ₄ | ✓ | | 38.9 |
| Waste | | | | |
| CH ₄ Emissions from Solid Waste Disposal Sites | CH ₄ | ✓ | ✓ | 202.9 |
| CO ₂ Emissions from Waste Incineration | CO ₂ | | ✓ | 26.9 |
| Subtotal | | | | 6,769.2 |
| Total Emissions | | | | 6,936.2 |
| Percent of Total | | | | 97.6% |

Notes: Sinks (e.g., LUCF, Landfill Carbon Storage) are not included in this analysis. The Tier 1 approach for identifying key source categories does not directly include assessment of uncertainty in emissions estimates.